Claims

1.   1. Drive device for opening and closing the leaf of a door or window or the like
2. with a housing and with a closing spring mounted in the housing, which spring acts on a
3. piston, which is in working connection by way of gear teeth with a closing shaft supported
4. in the housing, characterized in that the piston (3) and the housing (1) are made of the
5. plastic polyoxymethylene (POM).

1.   2. Drive device according to Claim 1, characterized in that the piston (3) and the
2. housing (1) are produced by injection-molding.

1.   3. Drive device according to one of the preceding claims, characterized in that the
2. set of teeth on the piston (3) are in the form of an inlay of metal, preferably steel, which is
3. embedded in the piston (3), the plastic preferably being injected around it.

1.   4. Drive device according to one of the preceding claims, characterized in that the
2. closing shaft (4) is supported in the bearing shells (5), and in that the bearing shells (5) are
3. made of the plastic polyoxymethylene (POM).

1.   5. Drive according to one of the preceding claims, characterized in that the bearing
2. shells (5) made of the plastic polyoxymethylene (POM) are pressed into the housing (1)
3. and/or welded to it, preferably by ultrasound.

1.   6. Drive device according to one of the preceding claims, characterized in that the
2. housing (1) is provided with a recess to hold the closing spring (2) and the piston (3), which
3. recess is sealed by an end plug (7), and in that the end plug (7) is made of the plastic
4. polyoxymethylene (POM).

1.   7. Drive device according to one of the preceding claims, characterized in that the
2. end plug (7) is pressed into the housing (1) and/or is welded to it, preferably by ultrasound.

1.   8. Drive device according to one of the preceding claims, characterized in that
2. hydraulic control bores are provided in the housing, the outlets of these bores from the
3. housing (1) being sealed by pressed-in or ultrasonically welded or adhesively bonded plugs,

4   which are made of the plastic polyoxymethylene (POM).